

Assignment 1 – Action Class

Objective: Practice mouse and keyboard interactions.

Scenario:

Open the DemoQA site →

<https://demoqa.com/buttons>

Perform:

Double Click on “Double Click Me” button.

Right Click on “Right Click Me” button.

Single Click on the third “Click Me” button.

Print the text messages that appear after each click action.

Extra Challenge:

Visit <https://demoqa.com/dragabble> and drag the element from its position to another point.

```
package Assignment_day20;

import java.time.Duration;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.interactions.Actions;
import org.openqa.selenium.support.ui.ExpectedConditions;
import org.openqa.selenium.support.ui.WebDriverWait;

public class Task1 {
    public static void main(String[] args) throws InterruptedException {
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));
```

```

driver.get("https://demoqa.com/buttons");

Actions act = new Actions(driver);

WebElement DoubleClick = driver.findElement(By.id("doubleClickBtn"));
act.doubleClick(DoubleClick).perform();
System.out.println("sucessfully clicked double click button");
Thread.sleep(2000);

WebElement RightClick = driver.findElement(By.id("rightClickBtn"));
act.contextClick(RightClick).perform();
System.out.println("sucessfully clicked right click button");
Thread.sleep(2000);

WebElement SingleClick = driver.findElement(By.id("DmErm"));
SingleClick.click();
System.out.println("sucessfully clicked single click button");
Thread.sleep(2000);

driver.get("https://demoqa.com/droppable");
driver.manage().window().maximize();
WebElement source = driver.findElement(By.id("draggable"));
WebElement target = driver.findElement(By.id("droppable"));
act.dragAndDrop(source, target).perform();
Thread.sleep(2000);

driver.close();
}

}

```

Assignment 2 – Select Class

Objective: Work with dropdowns and multi-select options.

Scenario:

Open the DemoQA site → <https://demoqa.com/select-menu>

Perform:

Select “Blue” from the old-style dropdown.

Select multiple options from the multi-select dropdown (e.g., "Green", "Yellow", "Black").

Verify and print the selected options.

Extra Challenge:

Select options using both `selectByVisibleText` and `selectByIndex`.

```
package Assignment_day20;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.support.ui.Select;

public class Task2 {
    public static void main(String[] args) throws InterruptedException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/select-menu");
        driver.manage().window().maximize();
        Thread.sleep(3000);

        // select single color
        WebElement select = driver.findElement(By.id("oldSelectMenu"));
        Select s = new Select(select);
        s.selectByVisibleText("Blue");
        s.selectByIndex(0);

        //select multiple colors
        WebElement multiSelect = driver.findElement(By.id("react-select-4-input"));
        multiSelect.sendKeys("Green");
        multiSelect.sendKeys(Keys.ENTER);
        System.out.println("Successfully clicked Green color");

        multiSelect.sendKeys("Red");
        multiSelect.sendKeys(Keys.ENTER);
        System.out.println("Successfully clicked Red color");

        multiSelect.sendKeys("Black");
        multiSelect.sendKeys(Keys.ENTER);
        System.out.println("Successfully clicked Black color");

        Thread.sleep(6000);
        driver.quit();
    }
}
```

}

Assignment 3 – Alerts

Objective: Handle different types of alerts.

Scenario:

Open the DemoQA site → <https://demoqa.com/alerts>

Perform:

Click the button to see an alert, accept it.

Click the “On button click, confirm box will appear” button, dismiss the alert.

Click the “Prompt Box” button, enter your name, and accept it.

Capture and print the alert messages before accepting/dismissing.

Extra Challenge:

Wait dynamically for the alert that appears after 5 seconds, then accept it.

```
package Assignment_day20;

import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
```

```
public class Task3 {

    public static void main(String[] args) throws InterruptedException {
        WebDriver driver = new ChromeDriver();
        driver.get("https://demoqa.com/alerts");
        driver.manage().window().maximize();

        WebElement alertButton = driver.findElement(By.id("alertButton"));
        alertButton.click();
        Alert alert1 = driver.switchTo().alert();
        alert1.accept();

        WebElement timebutton = driver.findElement(By.id("timerAlertButton"));
        timebutton.click();
        Thread.sleep(5000);
        Alert alert2 = driver.switchTo().alert();
        alert2.accept();

        Thread.sleep(2000);
        WebElement confirmbox = driver.findElement(By.id("confirmButton"));
        confirmbox.click();
        Thread.sleep(2000);
        Alert alert3 = driver.switchTo().alert();
        alert3.dismiss();

        Thread.sleep(2000);
        WebElement promptbox = driver.findElement(By.id("promptButton")); // correct id.
        promptbox.click();
        Thread.sleep(2000);
        Alert alert4 = driver.switchTo().alert();

        alert4.sendKeys("Sanjana penugonda");
        alert4.accept();

        driver.close();
    }
}
```